FIG. 1

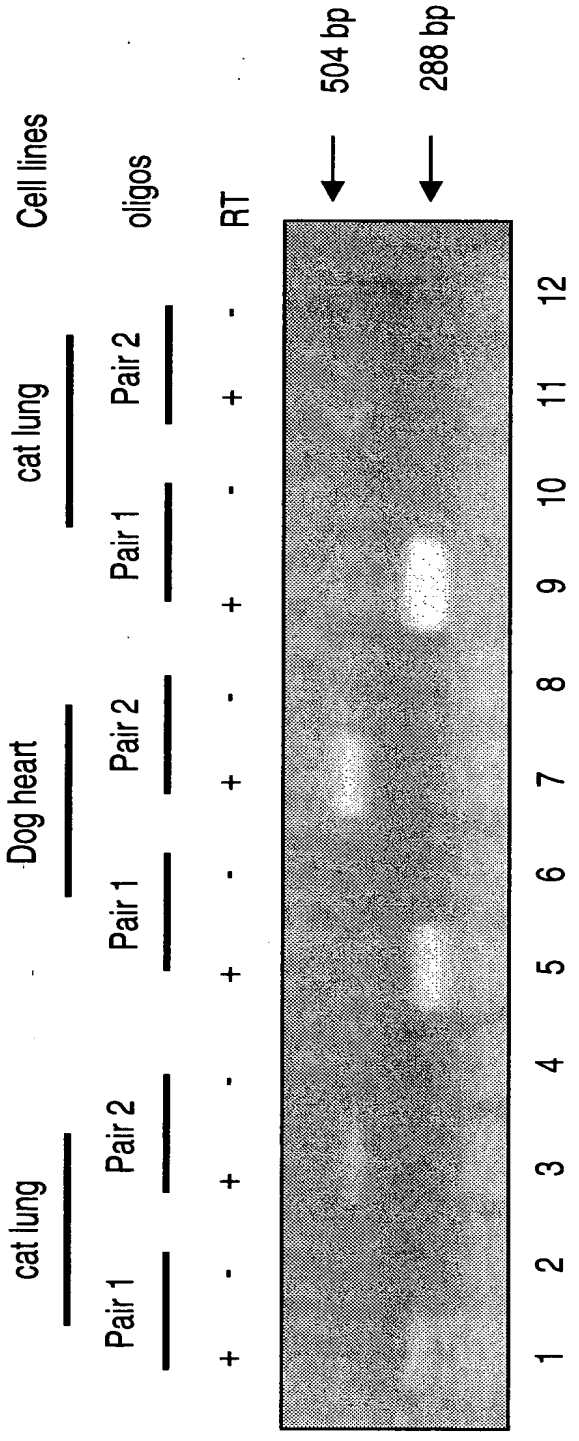
Cell lines
oligos
RT
cat lung
Pair 1
Pair 2
Dog heart
Pair 1
Pair 2
cat lung
Pair 1
Pair 2
504 bp
288 bp
1 2 3 4 5 6 7 8 9 10 11 12

FIG. 2

GCTATACTCGGGCGCGGTACCATAACTTCGTATAGCATACATTATACGAAGTTAT
CGGAGGAATTGGCTCGAGGAATTGCCCTTCTAATACGACTCACTATAGGGCAAGC
AGTGGTAACAACGCAGAGTACGCGGGAGCACGGACCGGCGGGGGGCAGCGAG**ATG**
CAGGCCCCGGGGGGCCCCAGCCTCGGGCTGACGTGCGTGCTGATCCTCATCTTCA
CTGTGCTGCTCCAGTCCCTCTGCGTGGCCGTCACCTACATGTACTTCACCAGGGA
GCTGAAGCAGATGCAGGACAAGTACTCCCAAAGTGGCATCGCTTGTTTCTTAAAG
GAAGATGATATCCCCTGGGACCCCAGTGATGAAGAGAGTATGAACAACCCCTGCT
GGCAAGTGAAGTGGCAACTCCGCCAGTTTGTTAGAAAGATGATTTTGAAAACCTA
TGAGGAAACCATTCCTACAGCTCCAGAAAAGCAGCTAAATATTCCTTACGTAGTA
AGCGACCGAGGTTCTCAGAGAGTAGCTGCTCACATAACTGGAACCAGTCGGAGAA
GCATGTTTCCAATTCCAAGCTCCAAGAATGATAAAGCTTTGGGCCACAAAATAAA
CTCCTGGGATTCCACAAGAAAAGGACATTCATTCTTGAATAATTTGCACTTGAGG
AACGGAGAGCTGGTTATCCATCAAAGGGGGTTTTATTACATCTATTCCCAAACAT
ACTTTCGATTTCAGGAACCTGAGGAAATTCCAACAGGACAGAACAGAAAGAGAAA
CAAACAAATGGTCCAATATATTTACAAACACACGAGTTATCCGGACCCTATACTG
CTGATGAAAAGTGCTAGAAATAGTTGTTGGTCTAAAGATTCTGAATATGGACTCT
ATTCCATCTATCAAGGTGGGATATTTGAGCTTAAGGAAAACGATAGAATTTTTGT
CTCTGTATCTAACGAGCAATTGATTGACATGGACCAAGAAGCCAGTTTTTTCGGG
GCCTTTTTAATCGGCTAAATACGCTGCAAAGAAAAAAAAACTGTATTCTTTATTC
ACAGCAAAGCAAGGACATCTAAGCAAAGTCACGTCAACCAAAAGAGTAACACGCC
TTTCTCAAACATCTCTGAAAATGACCAAGTCATTCTCAGAAAATGAAATTGCCGA
AGACCTTTCCAGGCACTACCAAGAGATCAGTTTGCTAGCAGAAACCTAGAAGATT
CTGTAAGCAGCTGTCTTTATTATCTACTCTTGGAAAGACCCAGAAGCAAGATTA

FIG. 3

MQAPGGPSLGLTCVLILIFTVLLQSLCVAVTYMYFTRELKQMQDKYSQSGIACFL
KEDDIPWDPSDEESMNNPCWQVKWQLRQFVRKMILKTYEETIPTAPEKQLNIPYV
VSDRGSQRVAAHITGTSRRSMFPIPSSKNDKALGHKINSWDSTRKGHSFLNNLHL
RNGELVIHQRGFYYIYSQTYFRFQEPEEIPTGQNRKRNKQMVQYIYKHTSYPDPI
LLMKSARNSCWSKDSEYGLYSIYQGGIFELKENDRIFVSVSNEQLIDMDQEASFF
GAFLIG

FIG. 4

GAATTGCCCTTCTAATACGACTCCCTATAGGGCAAGCAGTGGTAACAACGCAGAG
TACGCGGGGGCAGCAGTGACTGTCGGAGAGGACAGGACCGTGGTCGAG**ATGCAGG**
CCCCGGCGGGCCCCAGTCCCGGGCAGACCTGCGTGCTGATCCTGATCTTCACTGT
GCTCCTGCAGTCCCTCTGCGTGGCCGTGACTTACATGTACTTCACCAGTGAACTG
AGGCAGATGCAGGACAAATACTCCCAAAGTGGCATTGCTTGTTTCTTAAAGGAAG
ACGATATCCCTTGGGACCCCAATGATGAAGAGAGTATGAACACCCCGTGCTGGCA
AGTGAAATGGCAGCTCCGTCAGTTTGTTAGAAAGATTTTGAGAACCTATGAGGAA
ACCATTCCTACAGTTCCAGAAAAGCAGCTAAATATTCCTTACCTAGTAAGAGAAA
GAGGTCCTCAGAGAGTAGCAGCTCACATAACTGGAACCAGTCGGAGAAGAAGCAC
ATTCCCAGTTCCAAGCTCCAAGAATGAAAAAGCTTTGGGTCAGAAAATAAACTCC
TGGGAGTCATCAAGAAAAGGACATTCATTCTTGAATAATTTGCACTTGAGGAATG
GTGAGCTGGTTATTCATCAGAGGGGGTTTTATTACATCTATTCCCAAACATACTT
TCGATTTCAGGAACCTGAGGAAATTCCAACAGGACAGAACAGAAAGAGAAACAAA
CAAATGGTCCAATATATTTACAAACACACGAGTTATCCGGACCCTATACTGCTGA
TGAAAAGTGCTAGAAATAGTTGTTGGTCTAAAGATTCTGAATATGGACTCTATTC
CATCTATCAAGGTGGGATATTTGAGCTTAAGGAAAACGATAGAATTTTTGTCTCT
GTATCTAACGAGCAATTGATTGACATGGACCAAGAAGCCAGTTTTTTCGGGGCCT
TTTTAATCGGCTAAATACGCTGCAAAGAAAAAAAAACTGTATTCTTTATTCACAG
CAAAGCAAGGACATCTAAGCAAAGTCACGTCAACCAAAAGAGTAACACGCCTTTC
TCAAACATCTCTGAAAATGACCAAGTCATTCTCAGAAAATGAAATTGCCGAAGAC
CTTTCCAGGCACTACCAGAGATCAGTTTGCTAGCAGAAACCTAGAAGATTCTGTA
AGCAGCTG

FIG. 5

MQAPAGPSPGQTCVLILIFTVLLQSLCVAVTYMYFTSELRQMQDKYSQSGIACFL
KEDDIPWDPNDEESMNTPCWQVKWQLRQFVRKILRTYEETIPTVPEKQLNIPYLV
RERGPQRVAAHITGTSRRRSTFPVPSSKNEKALGQKINSWESSRKGHSFLNNLHL
RNGELVIHQRGFYYIYSQTYFRFQEPEEIPTGQNRKRNKQMVQYIYKHTSYPDPI
LLMKSARNSCWSKDSEYGLYSIYQGGIFELKENDRIFVSVSNEQLIDMDQEASFF
GAFLIG

FIG. 6A

								10							
1	Met	-	-	-	-	Ala	**Met**	**Met**	**Glu**	**Val**	**Gln**	Gly	Gly	Pro	Ser	hu_Trail.PRO
1	Met	**Pro**	**Ser**	**Ser**	**Gly**	Ala	**Leu**	**Lys**	**Asp**	**Leu**	**Ser**	**Phe**	**Ser**	**Gln**	**His**	mo_Trail.PRO
1	Met	-	-	-	-	-	-	-	Gln	Ala	Pro	Gly	Gly	Pro	Ser	canine_Trail.PRO
1	Met	-	-	-	-	-	-	-	Gln	Ala	Pro	**Ala**	Gly	Pro	Ser	feline_Trail.PRO
					20									30		
12	Leu	Gly	Gln	Thr	Cys	Val	Leu	Ile	Val	Ile	Phe	Thr	Val	Leu	Leu	hu_Trail.PRO
16	**Phe**	**Arg**	**Met**	**Met**	**Val**	**Ile**	**Cys**	Ile	Val	**Leu**	**Leu**	**Gln**	Val	Leu	Leu	mo_Trail.PRO
9	Leu	Gly	**Leu**	Thr	Cys	Val	Leu	Ile	**Leu**	Ile	Phe	Thr	Val	Leu	Leu	canine_Trail.PRO
9	**Pro**	Gly	Gln	Thr	Cys	Val	Leu	**Val**	**Leu**	Ile	Phe	Thr	Val	Leu	Leu	feline_Trail.PRO
								40							
27	Gln	Ser	Leu	Cys	Val	Ala	Val	Thr	Tyr	**Val**	Tyr	Phe	Thr	Asn	Glu	hu_Trail.PRO
31	Gln	**Ala**	**Val**	**Ser**	Val	Ala	Val	Thr	Tyr	Met	Tyr	Phe	Thr	Asn	Glu	mo_Trail.PRO
24	Gln	Ser	Leu	Cys	Val	Ala	Val	Thr	Tyr	Met	Tyr	Phe	Thr	**Arg**	Glu	canine_Trail.PRO
24	Gln	Ser	Leu	Cys	Val	Ala	Val	Thr	Tyr	Met	Tyr	Phe	Thr	**Ser**	Glu	feline_Trail.PRO
					50									60		
42	Leu	Lys	Gln	Met	Gln	Asp	Lys	Tyr	Ser	**Lys**	Ser	Gly	Ile	Ala	Cys	hu_Trail.PRO
46	**Met**	Lys	Gln	**Leu**	Gln	Asp	**Asn**	Tyr	Ser	**Lys**	**Ile**	Gly	**Leu**	Ala	Cys	mo_Trail.PRO
39	Leu	Lys	Gln	Met	Gln	Asp	Lys	Tyr	Ser	Gln	Ser	Gly	Ile	Ala	Cys	canine_Trail.PRO
39	Leu	**Arg**	Gln	Met	Gln	Asp	Lys	Tyr	Ser	Gln	Ser	Gly	Ile	Ala	Cys	feline_Trail.PRO
								70							
57	Phe	Leu	Lys	Glu	Asp	Asp	**Ser**	**Tyr**	Trp	Asp	Pro	Asn	Asp	Glu	Glu	hu_Trail.PRO
61	Phe	**Ser**	Lys	**Thr**	Asp	**Glu**	**Asp**	**Phe**	Trp	Asp	**Ser**	**Thr**	Asp	**Gly**	Glu	mo_Trail.PRO
54	Phe	Leu	Lys	Glu	Asp	Asp	Ile	Pro	Trp	Asp	Pro	**Ser**	Asp	Glu	Glu	canine_Trail.PRO
54	Phe	Leu	Lys	Glu	Asp	Asp	Ile	Pro	Trp	Asp	Pro	Asn	Asp	Glu	Glu	feline_Trail.PRO

FIG. 6B

```
                                  80                                  90
72  Ser Met Asn Ser Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln  hu_Trail.PRO
76  Ile Leu Asn Arg Pro Cys Leu Gln Val Lys Arg Gln Leu Tyr Gln  mo_Trail.PRO
69  Ser Met Asn Asn Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln  canine_Trail.PRO
69  Ser Met Asn Thr Pro Cys Trp Gln Val Lys Trp Gln Leu Arg Gln  feline_Trail.PRO

                                 100
87  Leu Val Arg Lys Met Ile Leu Arg Thr Ser Glu Glu Thr Ile Ser  hu_Trail.PRO
91  Leu Ile Glu Glu Val Thr Leu Arg Thr Phe Gln Asp Thr Ile Ser  mo_Trail.PRO
84  Phe Val Arg Lys Met Ile Leu Lys Thr Tyr Glu Glu Thr Ile Pro  canine_Trail.PRO
84  Phe Val Arg Lys  -  Ile Leu Arg Thr Tyr Glu Glu Thr Ile Pro  feline_Trail.PRO

                                  110                                 120
102 Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro Leu Val Arg Glu  hu_Trail.PRO
106 Thr Val Pro Glu Lys Gln Leu Ser Thr Pro Pro Leu Pro Arg Gly  mo_Trail.PRO
99  Thr Ala Pro Glu Lys Gln Leu Asn Ile Pro Tyr Val Val Ser Asp  canine_Trail.PRO
98  Thr Val Pro Glu Lys Gln Leu Asn Ile Pro Tyr Leu Val Arg Glu  feline_Trail.PRO

                                 130
117 Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Arg Gly  hu_Trail.PRO
121 Gly Arg Pro Gln Lys Val Ala Ala His Ile Thr Gly Ile Thr Arg  mo_Trail.PRO
114 Arg Gly Ser Gln Arg Val Ala Ala His Ile Thr Gly Thr Ser Arg  canine_Trail.PRO
113 Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly Thr Ser Arg  feline_Trail.PRO

                                  140                                 150
132 Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu Lys Ala  hu_Trail.PRO
136 Arg Ser Asn Ser Ala Leu Ile Pro Ile Ser Lys Asp Gly Lys Thr  mo_Trail.PRO
129 Arg  -  Ser Met Phe Pro Ile Pro Ser Ser Lys Asn Asp Lys Ala  canine_Trail.PRO
128 Arg Arg Ser Thr Phe Pro Val Pro Ser Ser Lys Asn Glu Lys Ala  feline_Trail.PRO
```

FIG. 6C

```
                                                160
147 Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly His  hu_Trail.PRO
151 Leu Gly Gln Lys Ile Glu Ser Trp Glu Ser Ser Arg Lys Gly His  mo_Trail.PRO
143 Leu Gly His Lys Ile Asn Ser Trp Asp Ser Thr Arg Lys Gly His  canine_Trail.PRO
143 Leu Gly Gln Lys Ile Asn Ser Trp Glu Ser Ser Arg Lys Gly His  feline_Trail.PRO

                    170                                     180
162 Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile  hu_Trail.PRO
166 Ser Phe Leu Asn His Val Leu Phe Arg Asn Gly Glu Leu Val Ile  mo_Trail.PRO
158 Ser Phe Leu Asn Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile  canine_Trail.PRO
158 Ser Phe Leu Asn Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile  feline_Trail.PRO

                                                190
177 His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg  hu_Trail.PRO
181 Glu Gln Glu Gly Leu Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg  mo_Trail.PRO
173 His Gln Arg Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg  canine_Trail.PRO
173 His Gln Arg Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg  feline_Trail.PRO

                    200                                     210
192 Phe Gln Glu  -   -  Glu Ile Lys  -   -   -   -  Glu Asn Thr  hu_Trail.PRO
196 Phe Gln Glu Ala Glu Asp Ala Ser Lys Met Val Ser Lys Asp Lys  mo_Trail.PRO
188 Phe Gln Glu Pro Glu Glu Ile Pro Thr  -   -  Gly Gln Asn Arg  canine_Trail.PRO
188 Phe Gln Glu Pro Glu Glu Ile Pro Thr  -   -  Gly Gln Asn Arg  feline_Trail.PRO

                                                220
201 Lys Asn Asp Lys Gln Met Val Gln Tyr Ile Tyr Lys Tyr Thr Ser  hu_Trail.PRO
211 Val Arg Thr Lys Gln Leu Val Gln Tyr Ile Tyr Lys Tyr Thr Ser  mo_Trail.PRO
201 Lys Arg Asn Lys Gln Met Val Gln Tyr Ile Tyr Lys His Thr Ser  canine_Trail.PRO
201 Lys Arg Asn Lys Gln Met Val Gln Tyr Ile Tyr Lys His Thr Ser  feline_Trail.PRO
```

FIG. 6D

```
                    230                                                 240
216 Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys  hu_Trail.PRO
226 Tyr Pro Asp Pro Ile Val Leu Met Lys Ser Ala Arg Asn Ser Cys  mo_Trail.PRO
216 Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys  canine_Trail.PRO
216 Tyr Pro Asp Pro Ile Leu Leu Met Lys Ser Ala Arg Asn Ser Cys  feline_Trail.PRO

                                    250
231 Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly  hu_Trail.PRO
241 Trp Ser Arg Asp Ala Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly  mo_Trail.PRO
231 Trp Ser Lys Asp Ser Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly  canine_Trail.PRO
231 Trp Ser Lys Asp Ser Glu Tyr Gly Leu Tyr Ser Ile Tyr Gln Gly  feline_Trail.PRO

                    260                                                 270
246 Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val  hu_Trail.PRO
256 Gly Leu Phe Glu Leu Lys Lys Asn Asp Arg Ile Phe Val Ser Val  mo_Trail.PRO
246 Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val  canine_Trail.PRO
246 Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile Phe Val Ser Val  feline_Trail.PRO

                                    280
261 Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala Ser Phe Phe  hu_Trail.PRO
271 Thr Asn Glu His Leu Met Asp Leu Asp Gln Glu Ala Ser Phe Phe  mo_Trail.PRO
261 Ser Asn Glu Gln Leu Ile Asp Met Asp Gln Glu Ala Ser Phe Phe  canine_Trail.PRO
261 Ser Asn Glu Gln Leu Ile Asp Met Asp Gln Glu Ala Ser Phe Phe  feline_Trail.PRO

                    290
276 Gly Ala Phe Leu Val Gly ter                                  hu_Trail.PRO
286 Gly Ala Phe Leu Ile Asn ter                                  mo_Trail.PRO
276 Gly Ala Phe Leu Ile Gly ter                                  canine_Trail.PRO
276 Gly Ala Phe Leu Ile Gly ter                                  feline_Trail.PRO
```

FIG. 7A

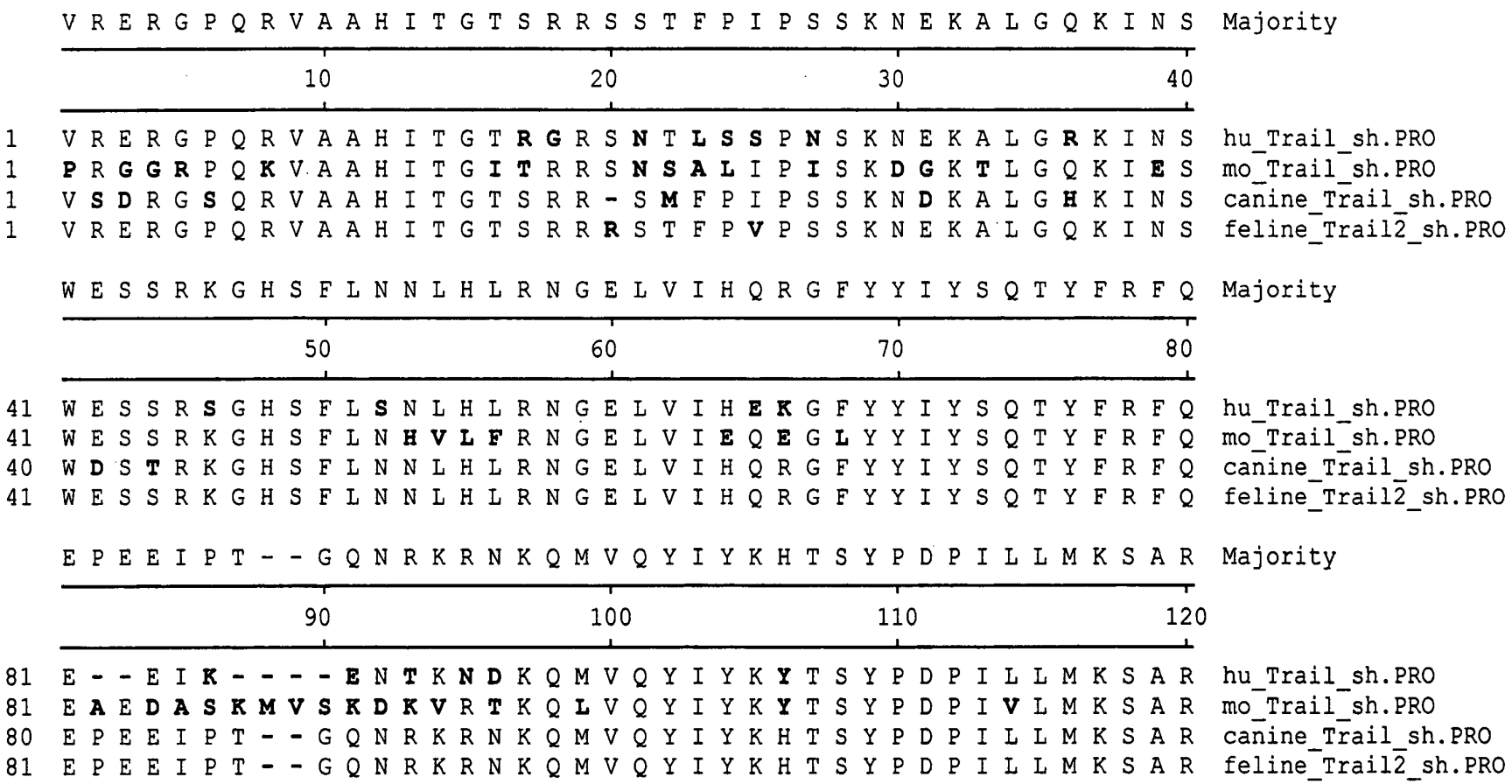
V R E R G P Q R V A A H I T G T S R R S S T F P I P S S K N E K A L G Q K I N S Majority
10 20 30 40
1 V R E R G P Q R V A A H I T G T R G R S N T L S S P N S K N E K A L G R K I N S hu_Trail_sh.PRO
1 P R G G R P Q K V A A H I T G I T R R S N S A L I P I S K D G K T L G Q K I E S mo_Trail_sh.PRO
1 V S D R G S Q R V A A H I T G T S R R - S M F P I P S S K N D K A L G H K I N S canine_Trail_sh.PRO
1 V R E R G P Q R V A A H I T G T S R R R S T F P V P S S K N E K A L G Q K I N S feline_Trail2_sh.PRO
W E S S R K G H S F L N N L H L R N G E L V I H Q R G F Y Y I Y S Q T Y F R F Q Majority
50 60 70 80
41 W E S S R S G H S F L S N L H L R N G E L V I H E K G F Y Y I Y S Q T Y F R F Q hu_Trail_sh.PRO
41 W E S S R K G H S F L N H V L F R N G E L V I E Q E G L Y Y I Y S Q T Y F R F Q mo_Trail_sh.PRO
40 W D S T R K G H S F L N N L H L R N G E L V I H Q R G F Y Y I Y S Q T Y F R F Q canine_Trail_sh.PRO
41 W E S S R K G H S F L N N L H L R N G E L V I H Q R G F Y Y I Y S Q T Y F R F Q feline_Trail2_sh.PRO
E P E E I P T - - G Q N R K R N K Q M V Q Y I Y K H T S Y P D P I L L M K S A R Majority
90 100 110 120
81 E - - E I K - - - - E N T K N D K Q M V Q Y I Y K Y T S Y P D P I L L M K S A R hu_Trail_sh.PRO
81 E A E D A S K M V S K D K V R T K Q L V Q Y I Y K Y T S Y P D P I V L M K S A R mo_Trail_sh.PRO
80 E P E E I P T - - G Q N R K R N K Q M V Q Y I Y K H T S Y P D P I L L M K S A R canine_Trail_sh.PRO
81 E P E E I P T - - G Q N R K R N K Q M V Q Y I Y K H T S Y P D P I L L M K S A R feline_Trail2_sh.PRO

FIG. 7B

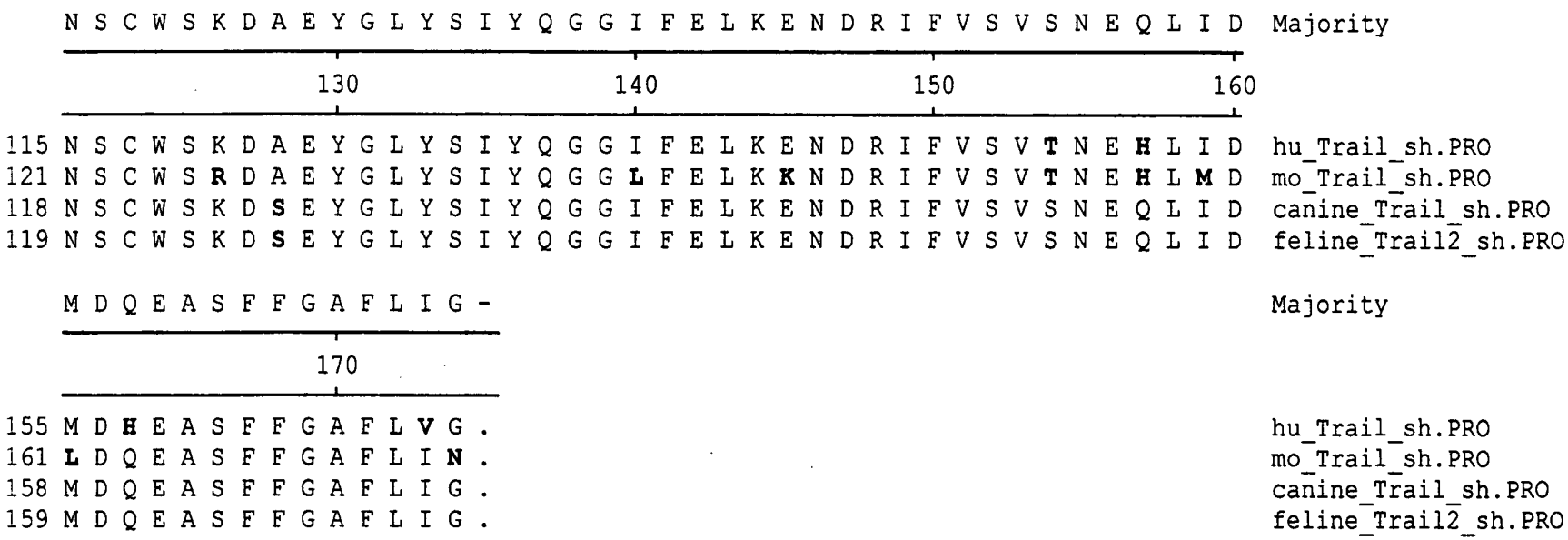
N S C W S K D A E Y G L Y S I Y Q G G I F E L K E N D R I F V S V S N E Q L I D Majority
130
140
150
160
115 N S C W S K D A E Y G L Y S I Y Q G G I F E L K E N D R I F V S V T N E H L I D hu_Trail_sh.PRO
121 N S C W S R D A E Y G L Y S I Y Q G G L F E L K K N D R I F V S V T N E H L M D mo_Trail_sh.PRO
118 N S C W S K D S E Y G L Y S I Y Q G G I F E L K E N D R I F V S V S N E Q L I D canine_Trail_sh.PRO
119 N S C W S K D S E Y G L Y S I Y Q G G I F E L K E N D R I F V S V S N E Q L I D feline_Trail2_sh.PRO
M D Q E A S F F G A F L I G - Majority
170
155 M D H E A S F F G A F L V G . hu_Trail_sh.PRO
161 L D Q E A S F F G A F L I N . mo_Trail_sh.PRO
158 M D Q E A S F F G A F L I G . canine_Trail_sh.PRO
159 M D Q E A S F F G A F L I G . feline_Trail2_sh.PRO

FIG. 8A

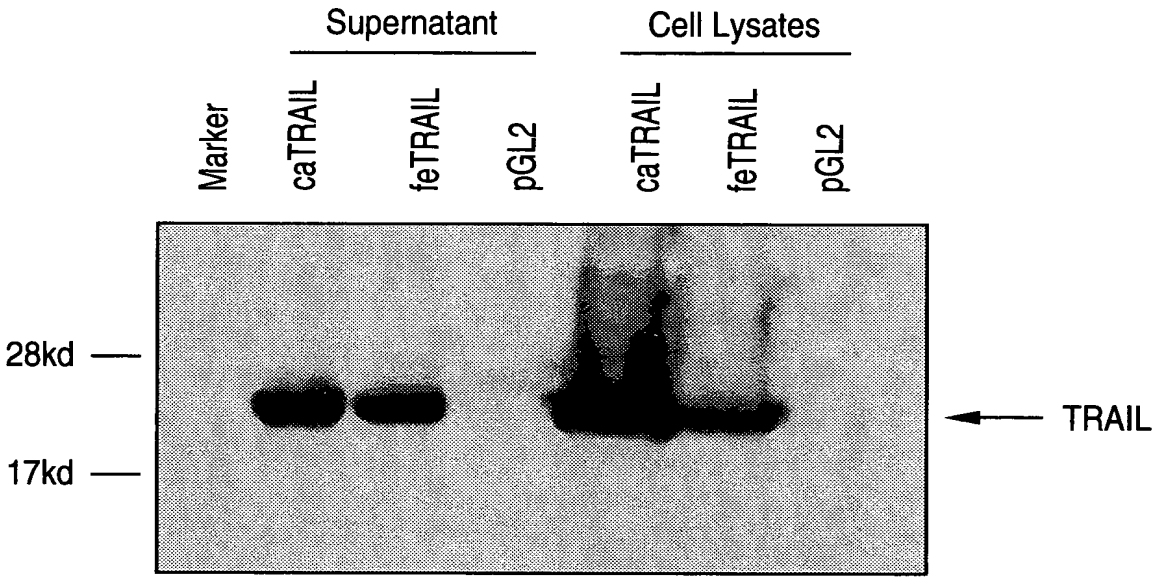
Supernatant
Cell Lysates
Marker
caTRAIL
feTRAIL
pGL2
caTRAIL
feTRAIL
pGL2
28kd
17kd
TRAIL

FIG. 8B

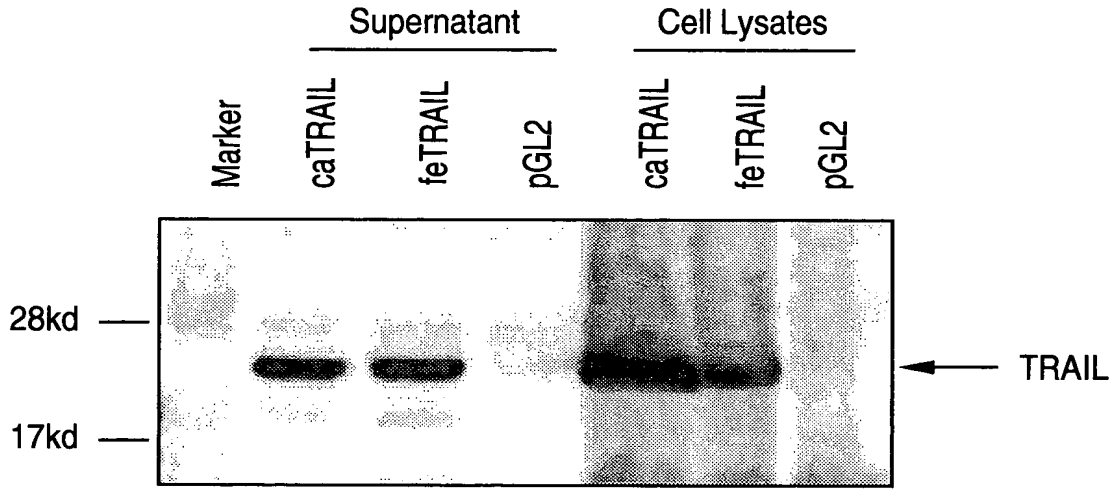
Supernatant
Cell Lysates
Marker
caTRAIL
feTRAIL
pGL2
caTRAIL
feTRAIL
pGL2
28kd
17kd
TRAIL

FIG. 9A

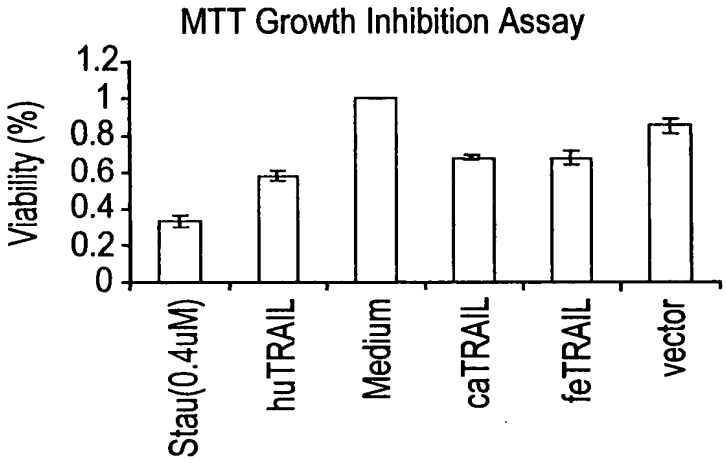

FIG. 9B

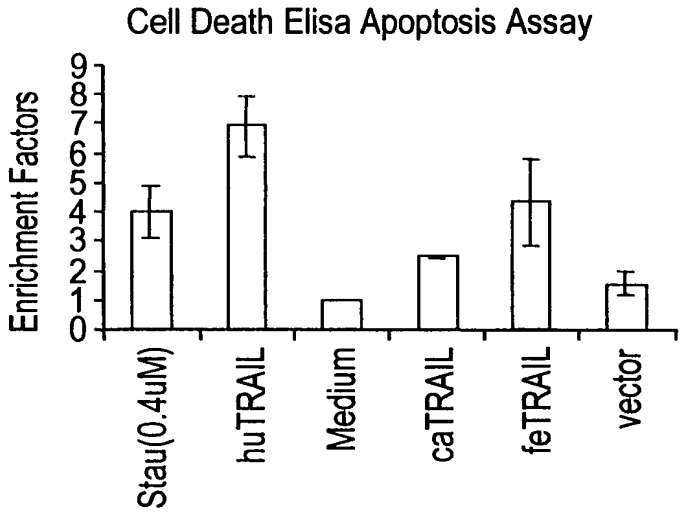

FIG. 9C

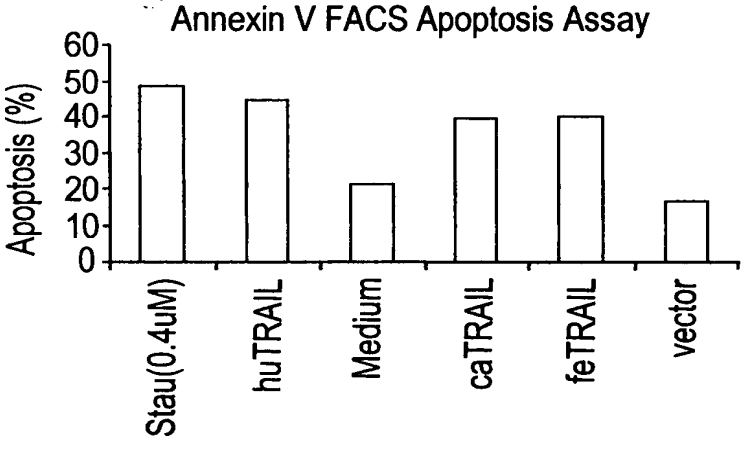

FIG. 10A

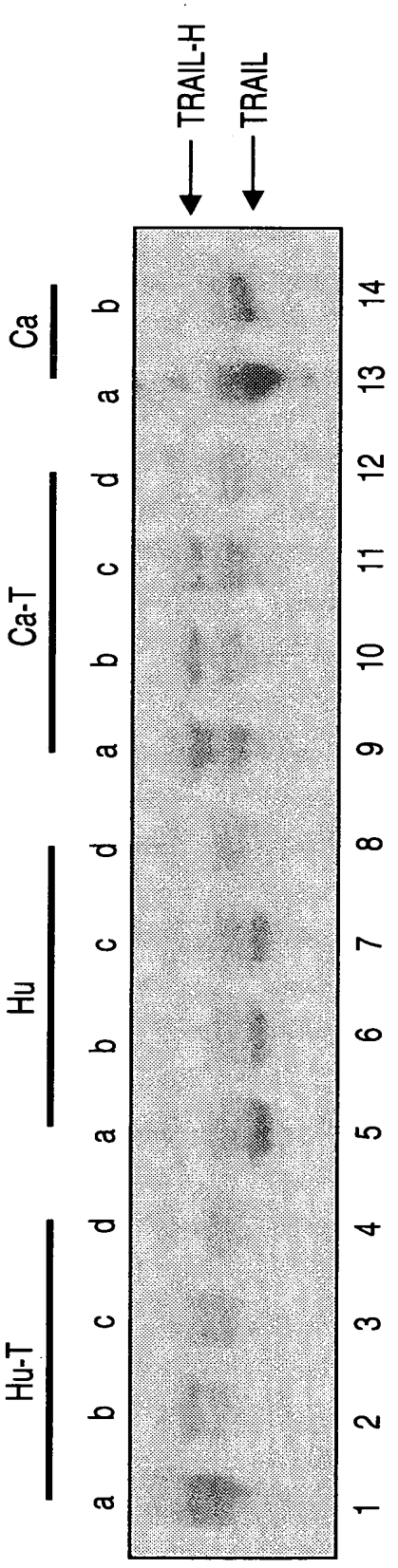

FIG. 10B

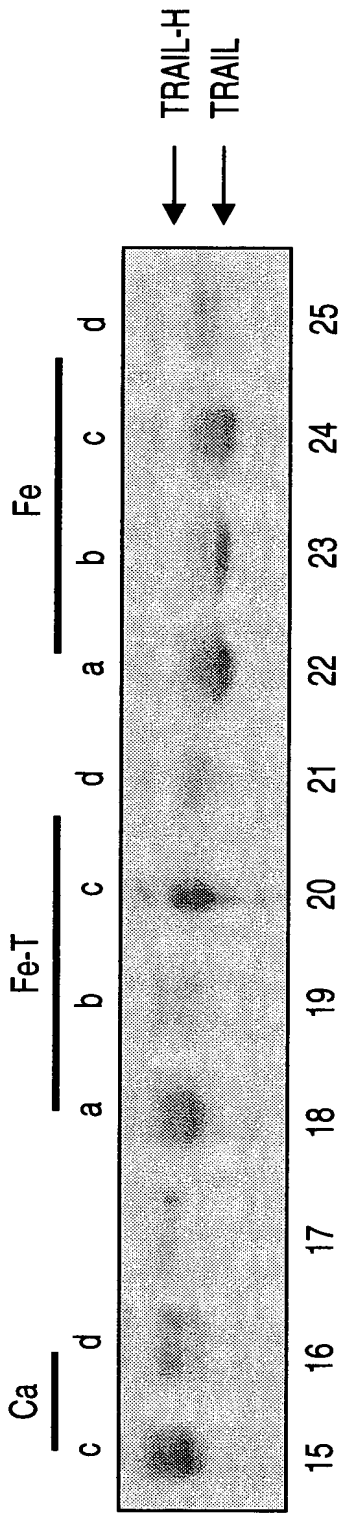

FIG. 10C

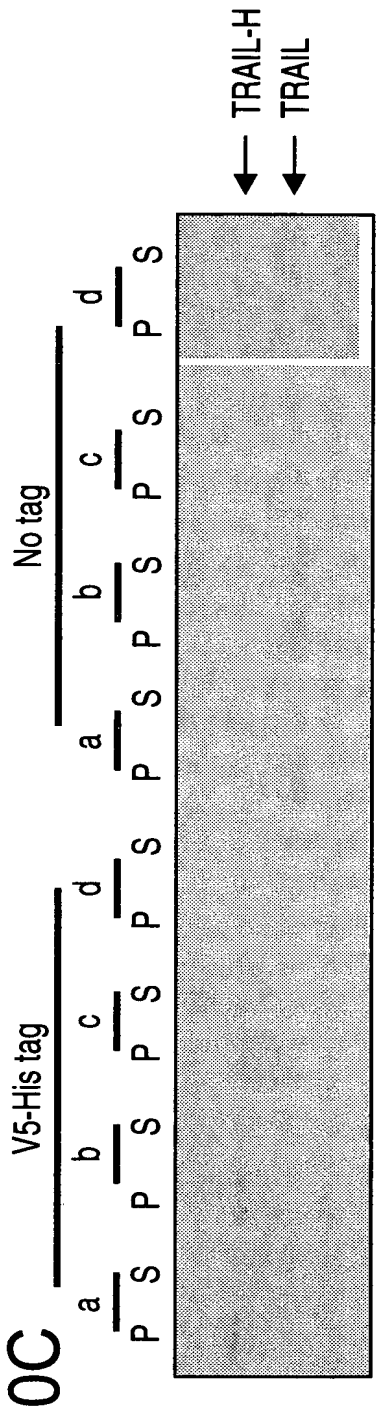

FIG. 10D

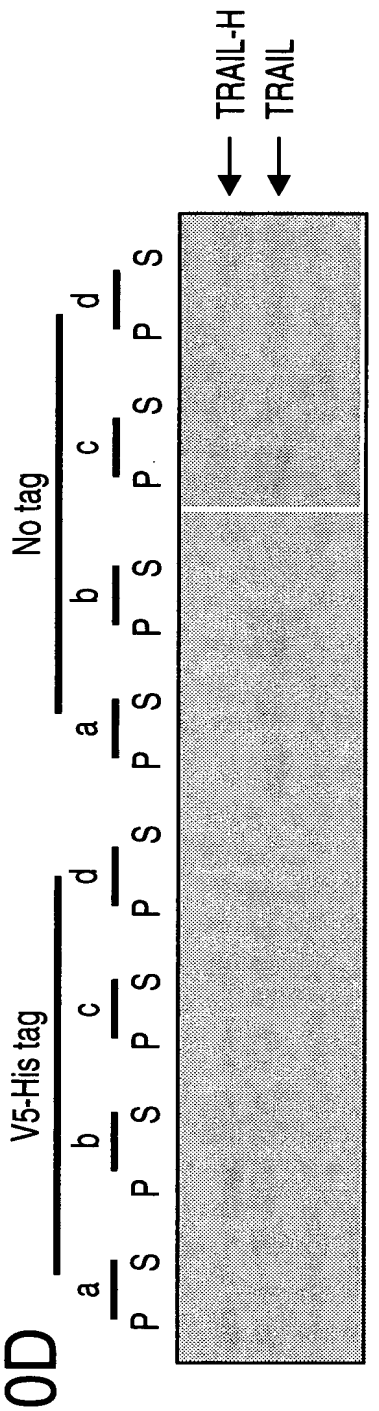

FIG. 10E

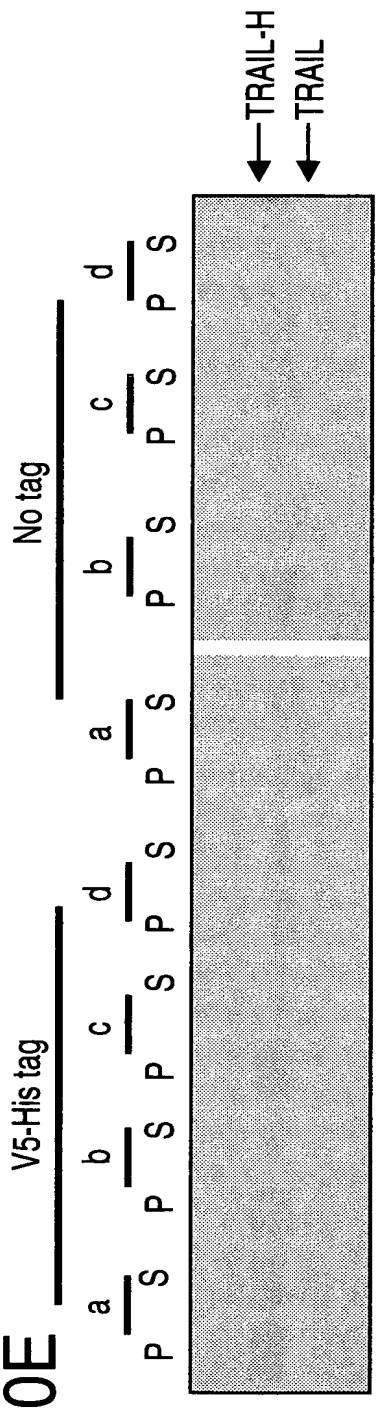

FIG. 11A

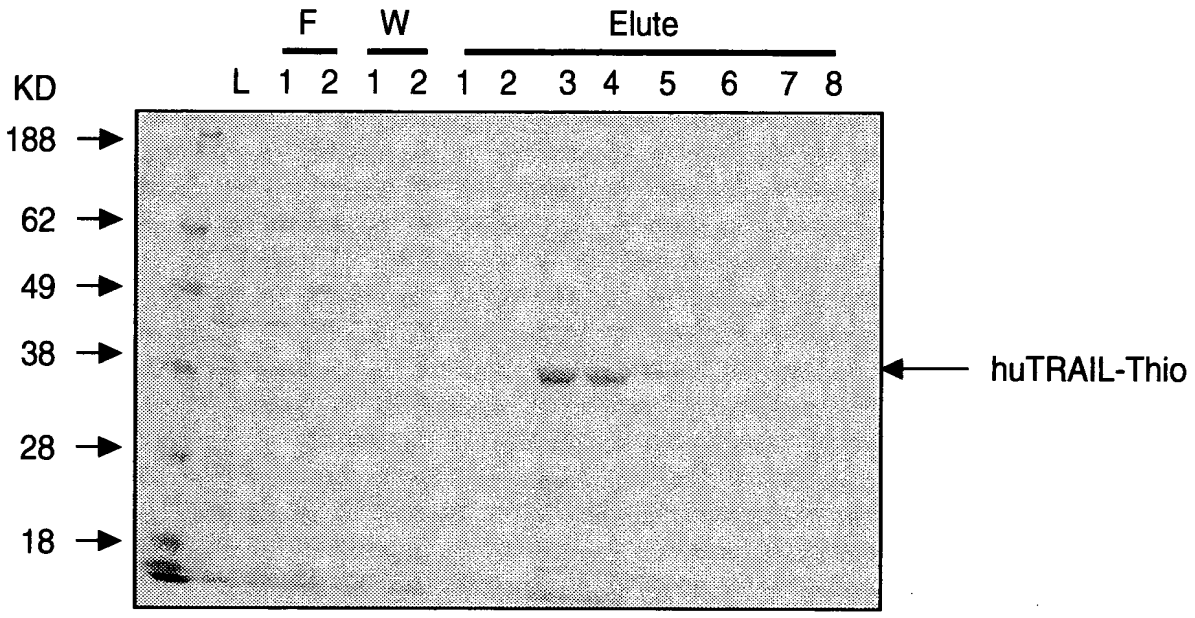

FIG. 11B

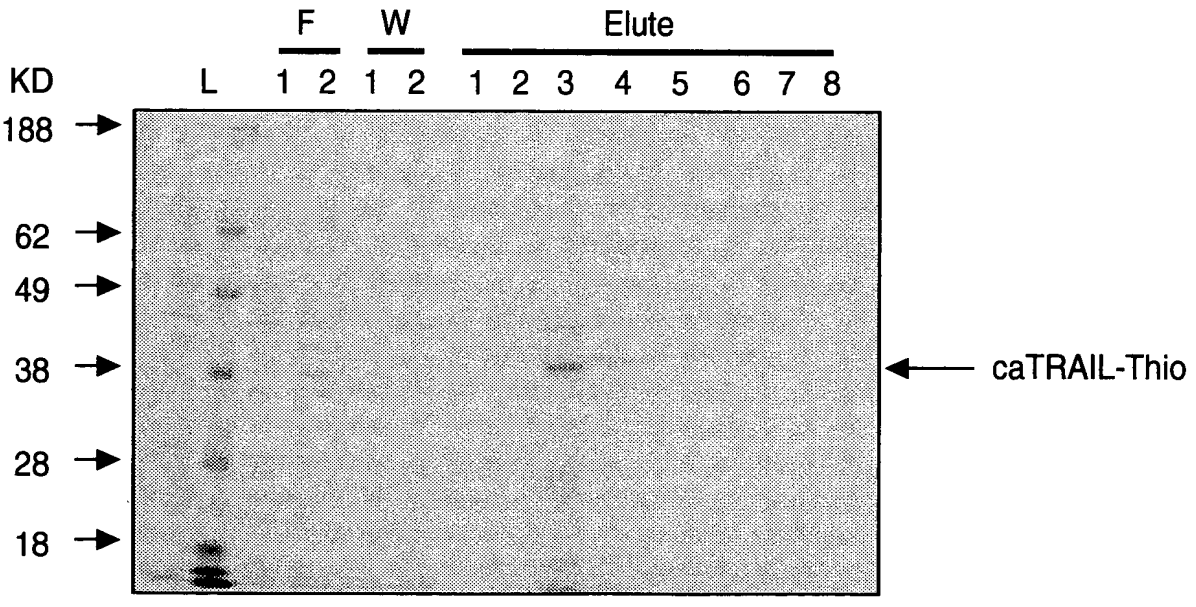

FIG. 12

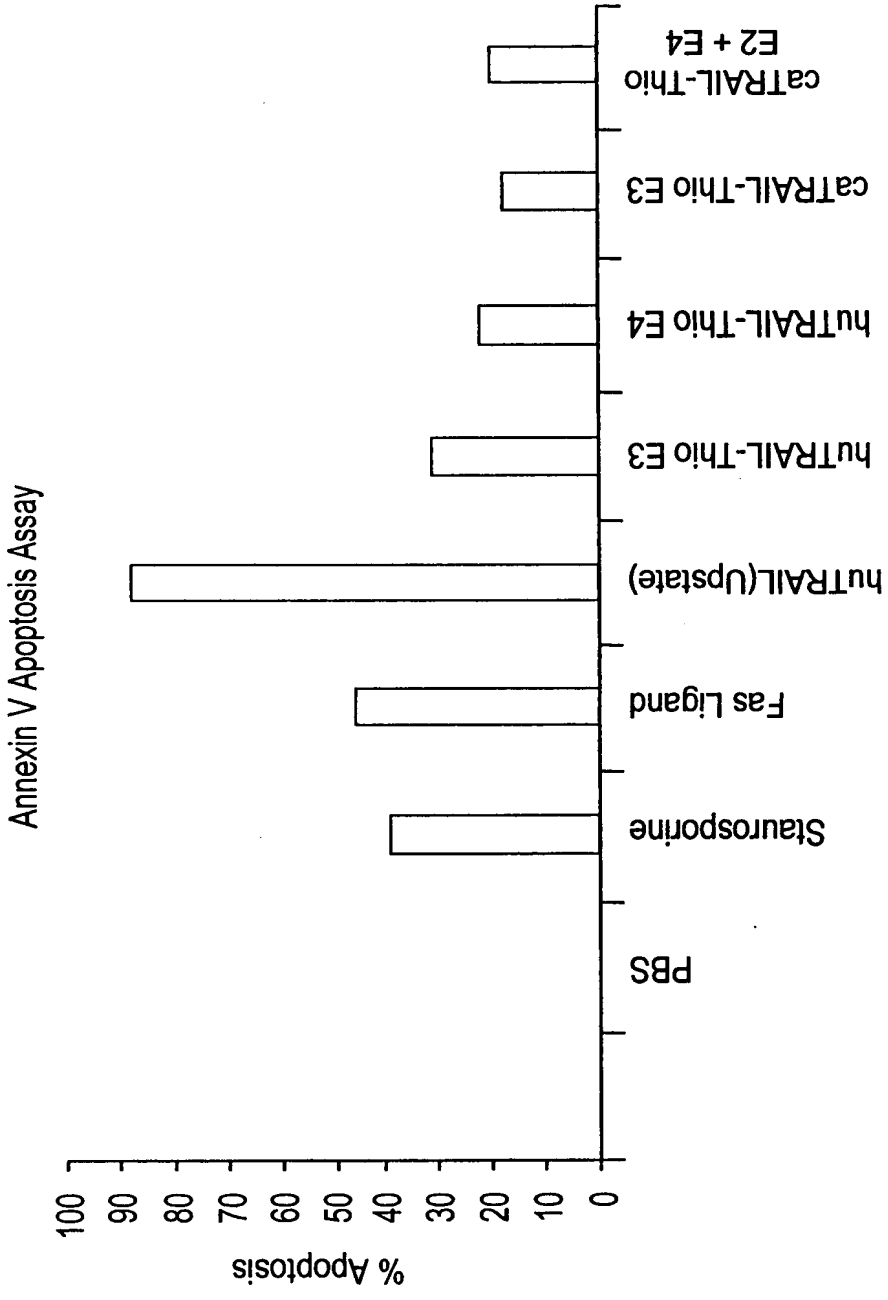
Annexin V Apoptosis Assay
% Apoptosis
0
10
20
30
40
50
60
70
80
90
100
PBS
Staurosporine
Fas Ligand
huTRAIL(Upstate)
huTRAIL-Thio E3
huTRAIL-Thio E4
caTRAIL-Thio E3
caTRAIL-Thio E2 + E4

FIG. 13A

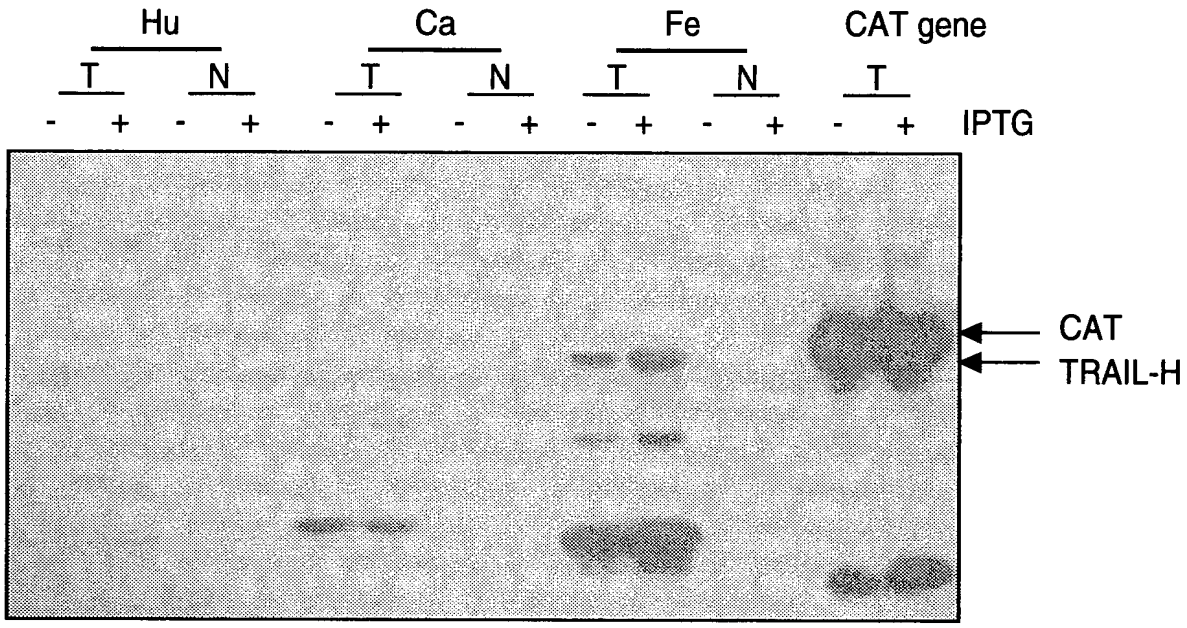

FIG. 13B

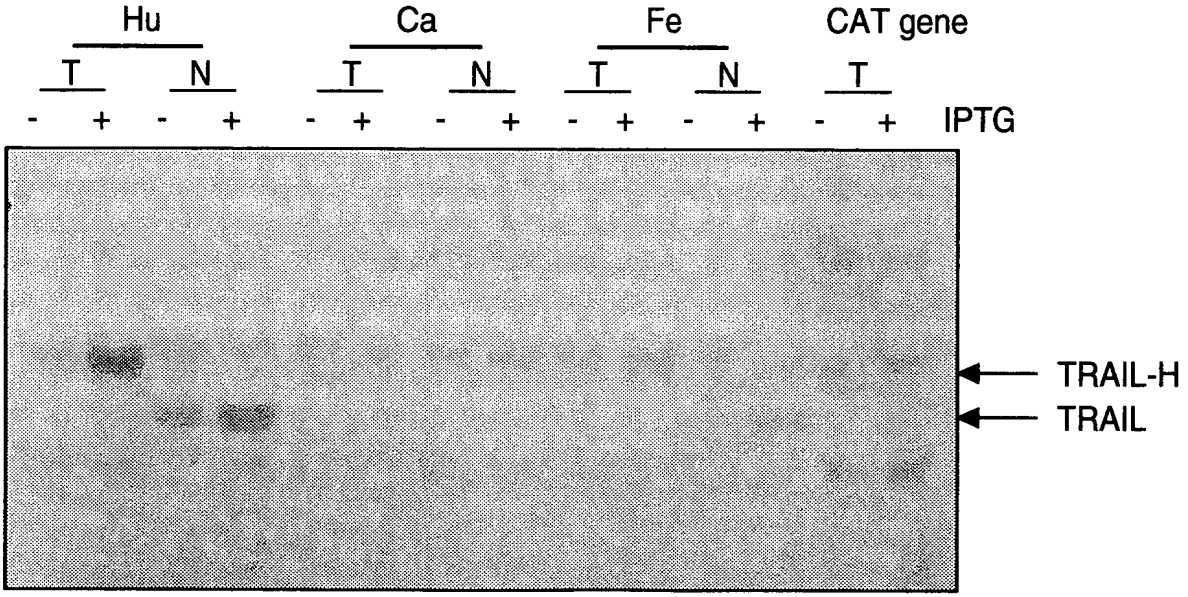

FIG. 14A

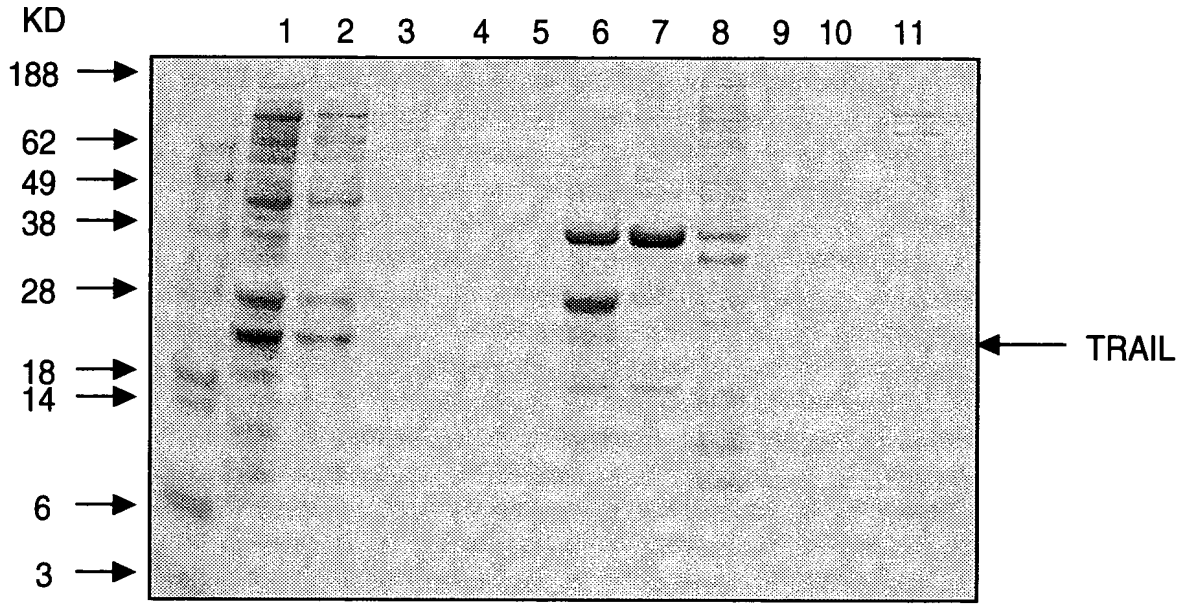

FIG. 14B

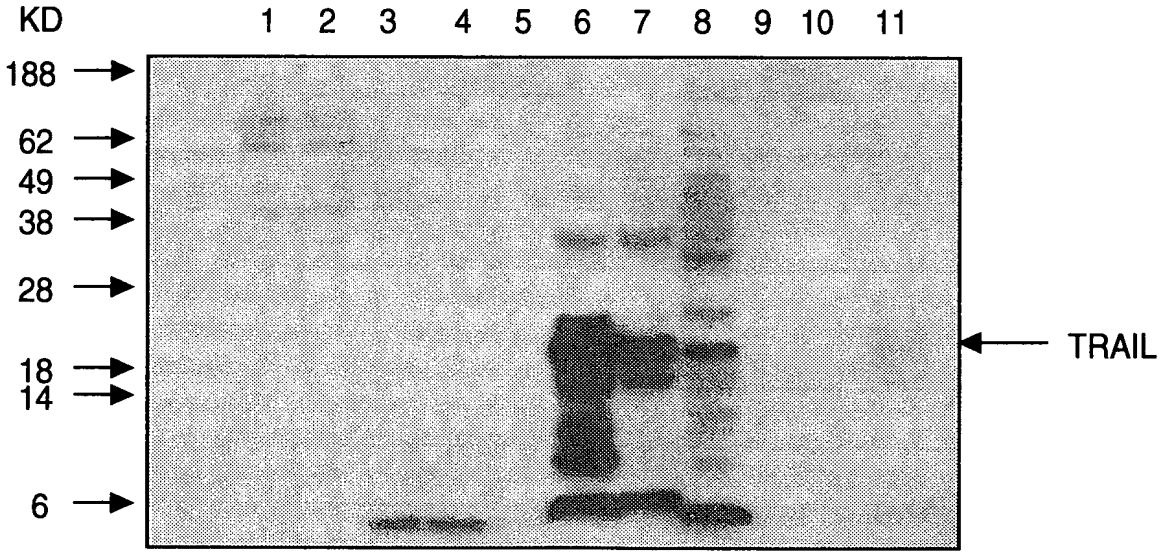

FIG. 15A

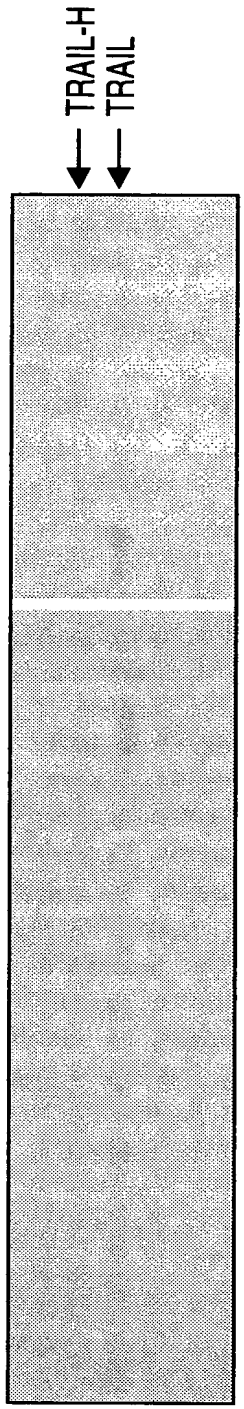

FIG. 15B

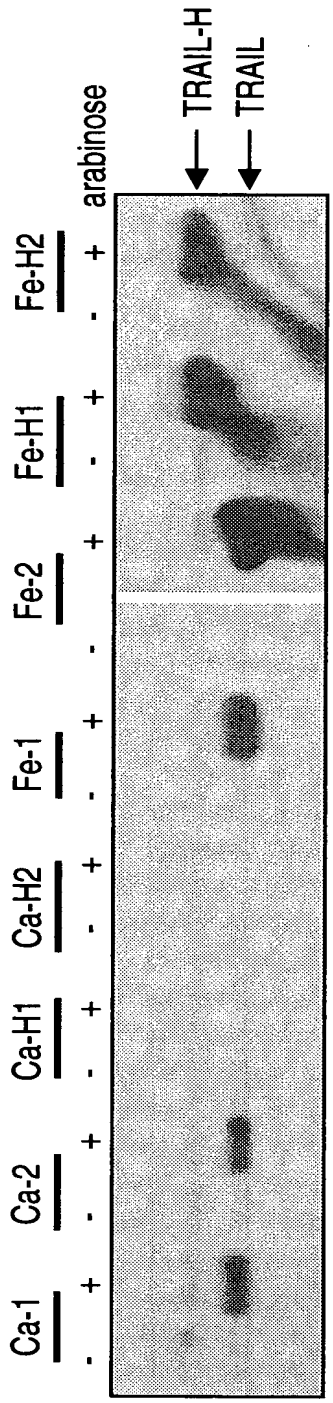

FIG. 15C

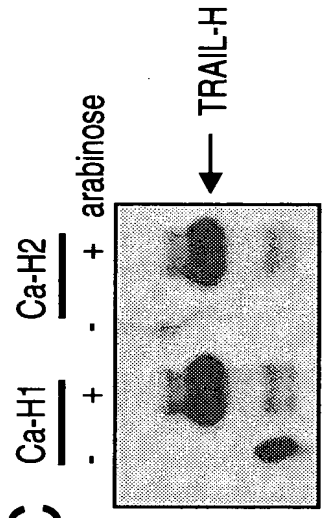

FIG. 16A

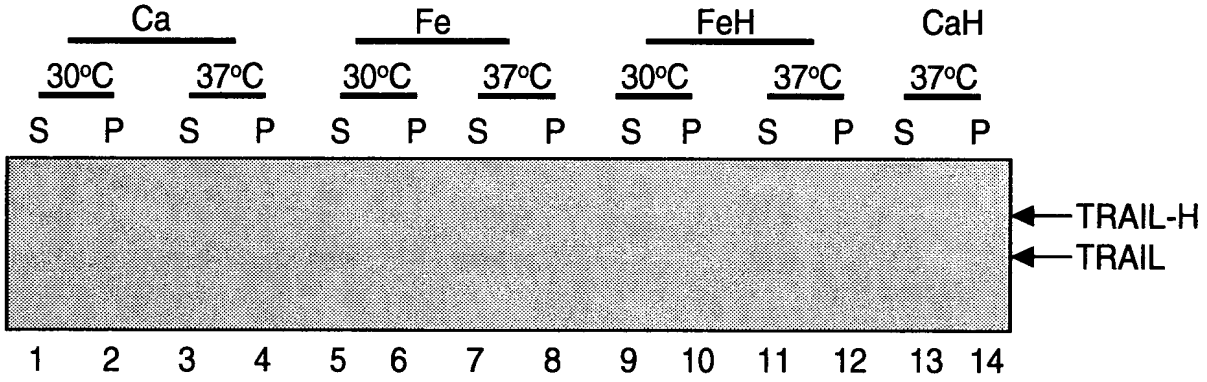

FIG. 16B

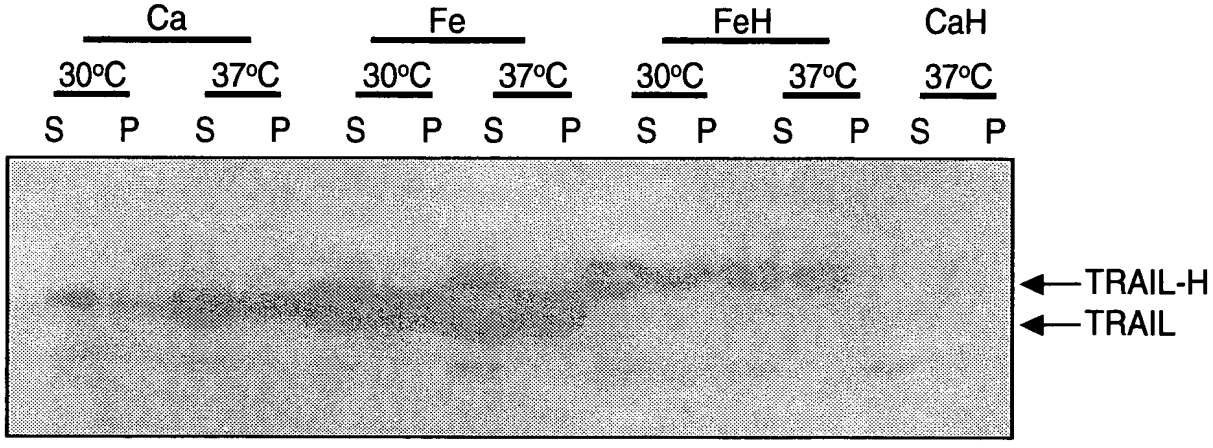

FIG. 17A

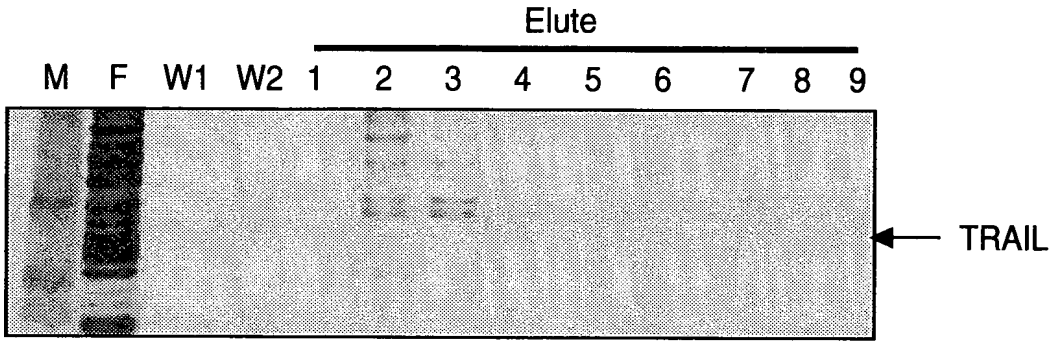

FIG. 17B

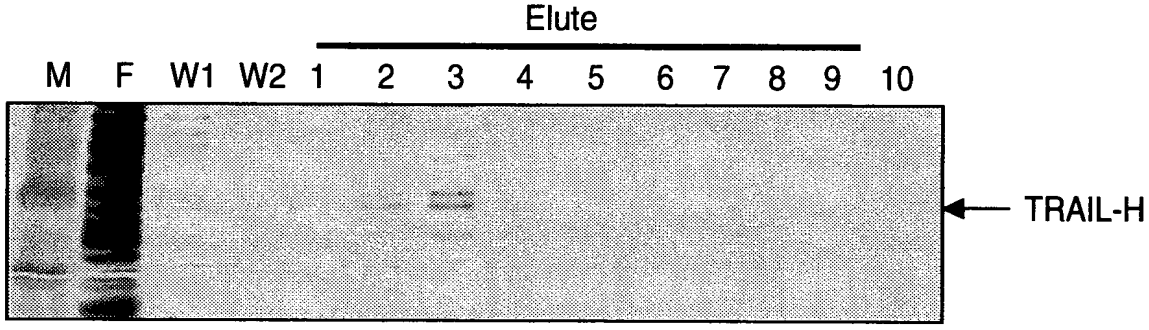

FIG. 17C

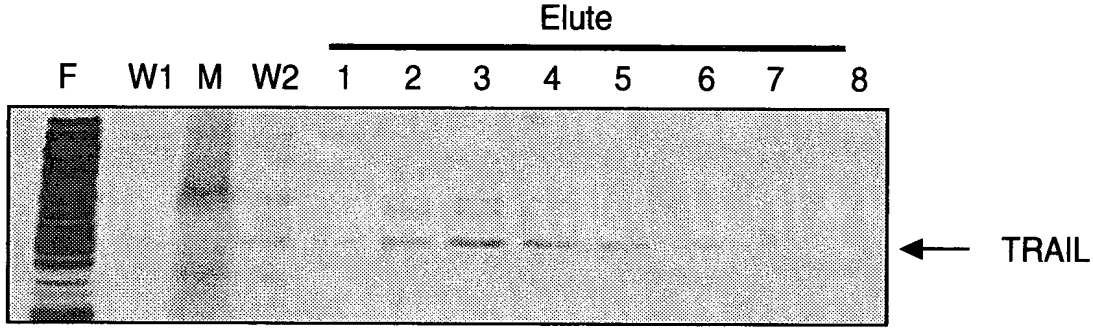

FIG. 17D

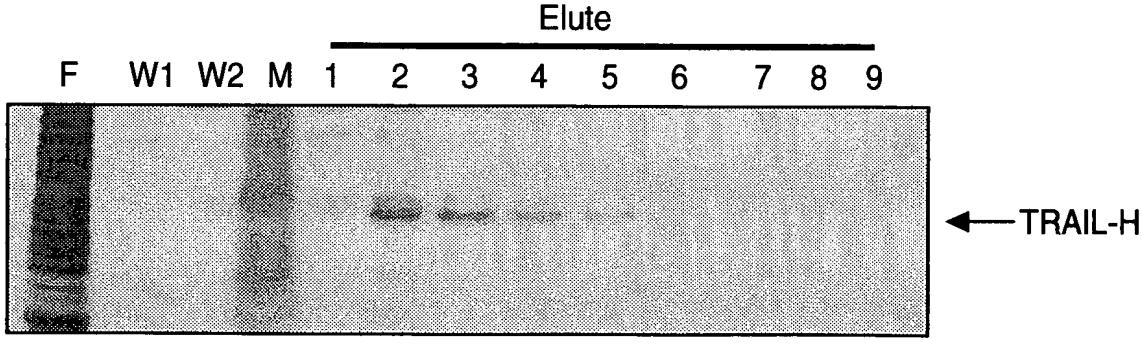

FIG. 17E

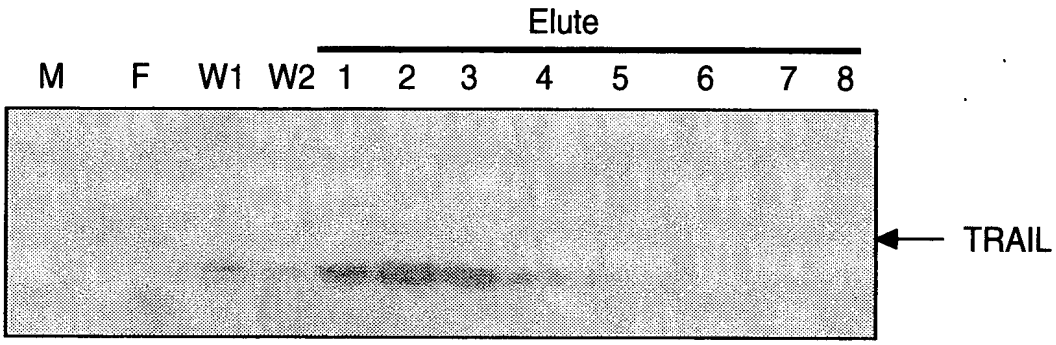

FIG. 17F

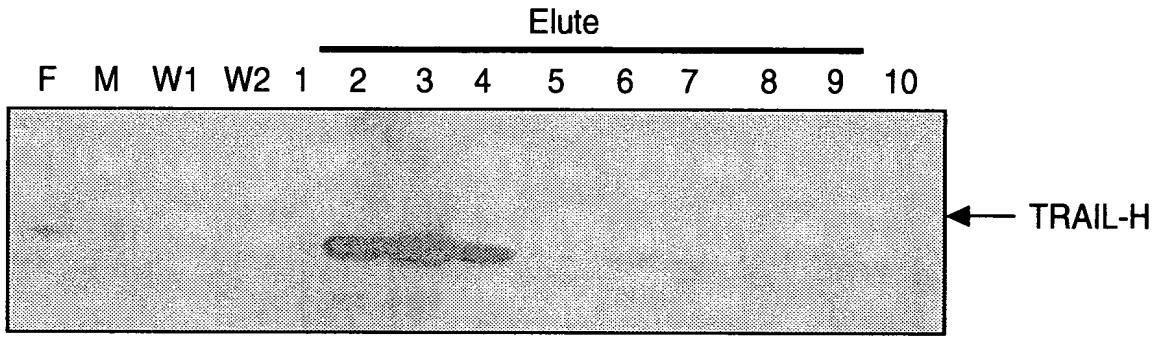

FIG. 17G

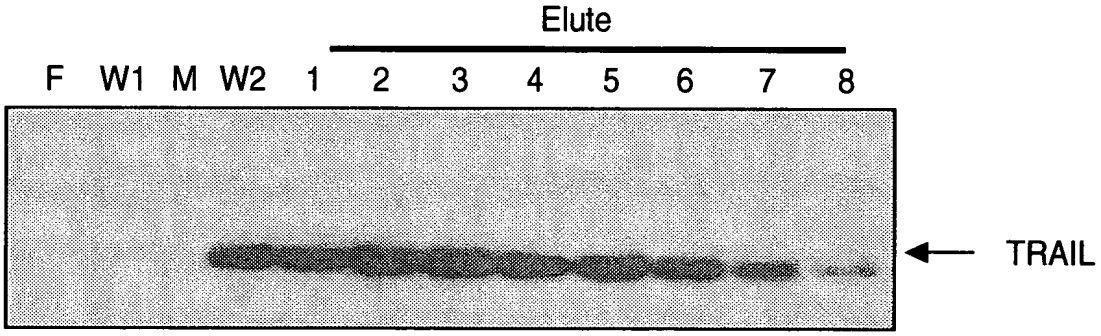

FIG. 17H

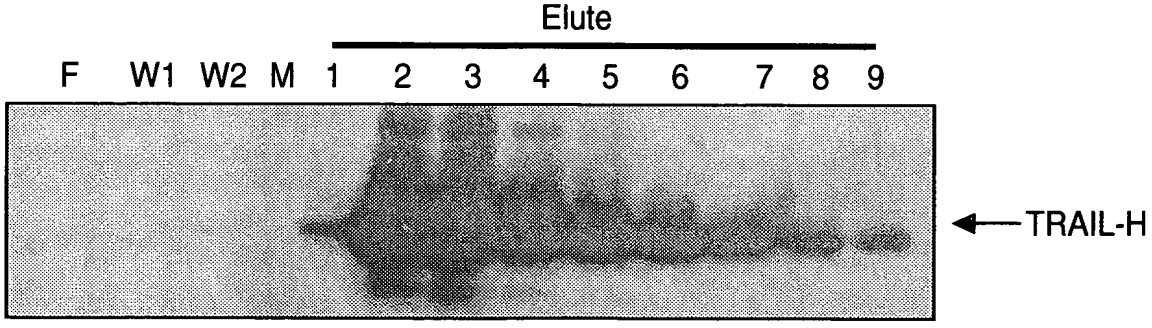

FIG. 18A

MTT Growth inhibition Assay

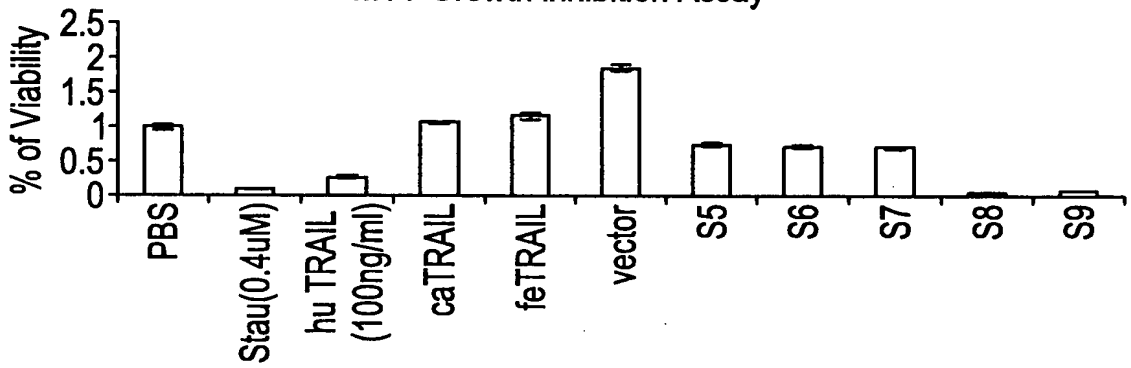

FIG. 18B

Cell Death Elisa Apoptosis Assay

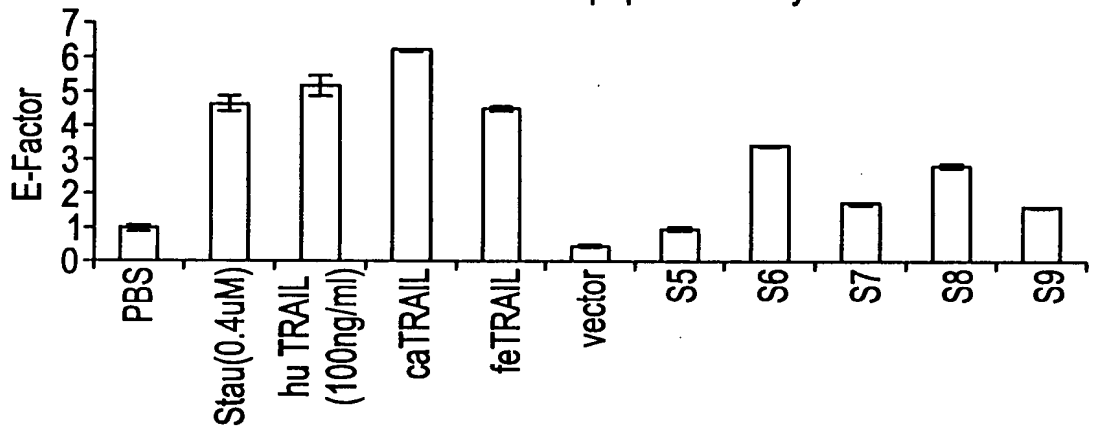

FIG. 18C

Annexin V FITC Apoptosis Assay

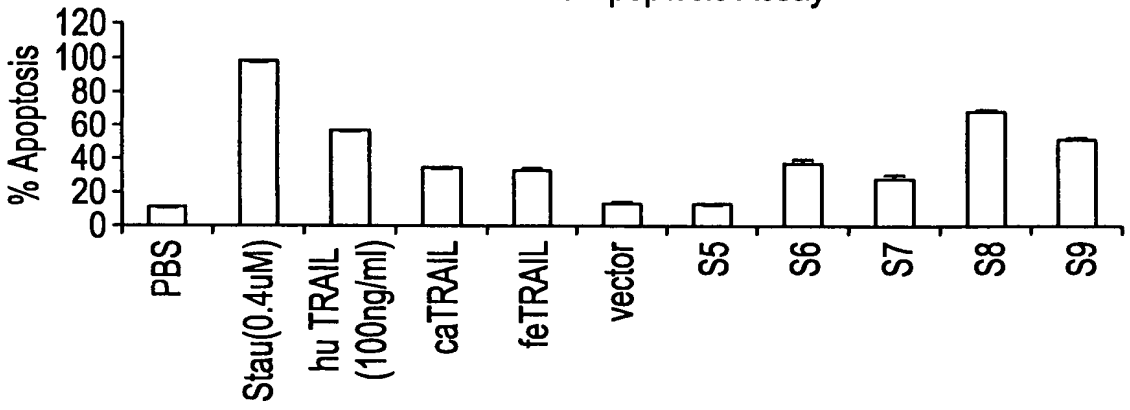

FIG. 19A

MTT Growth Inhibition Assay

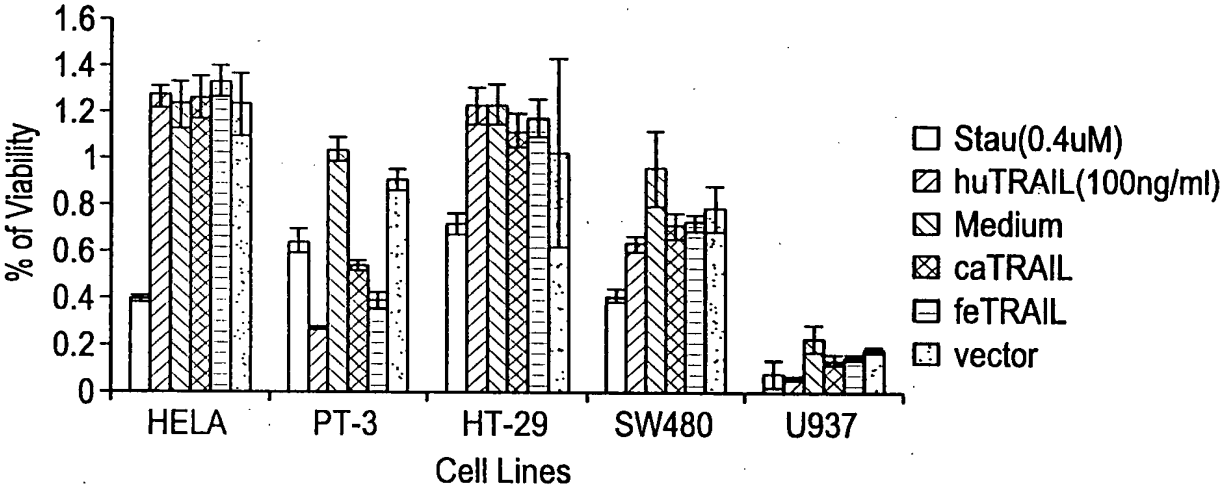

FIG. 19B

Cell Death Elisa Apoptosis Assay

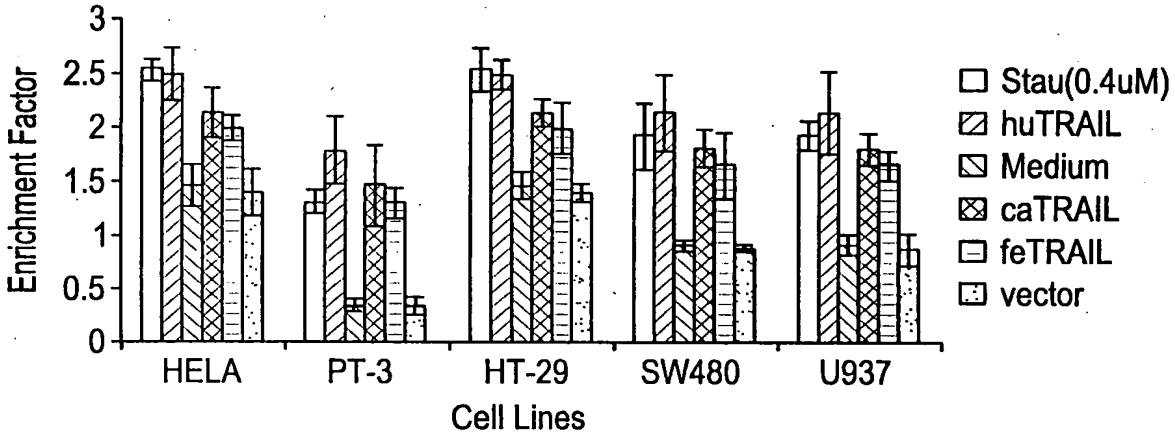

FIG. 20A

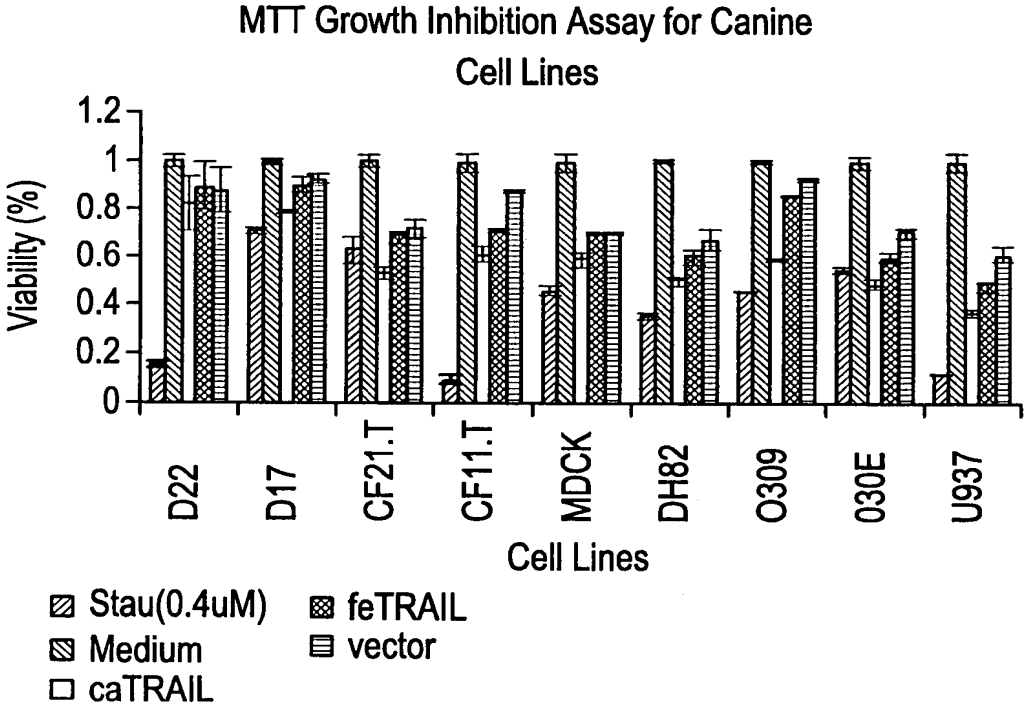

FIG. 20B

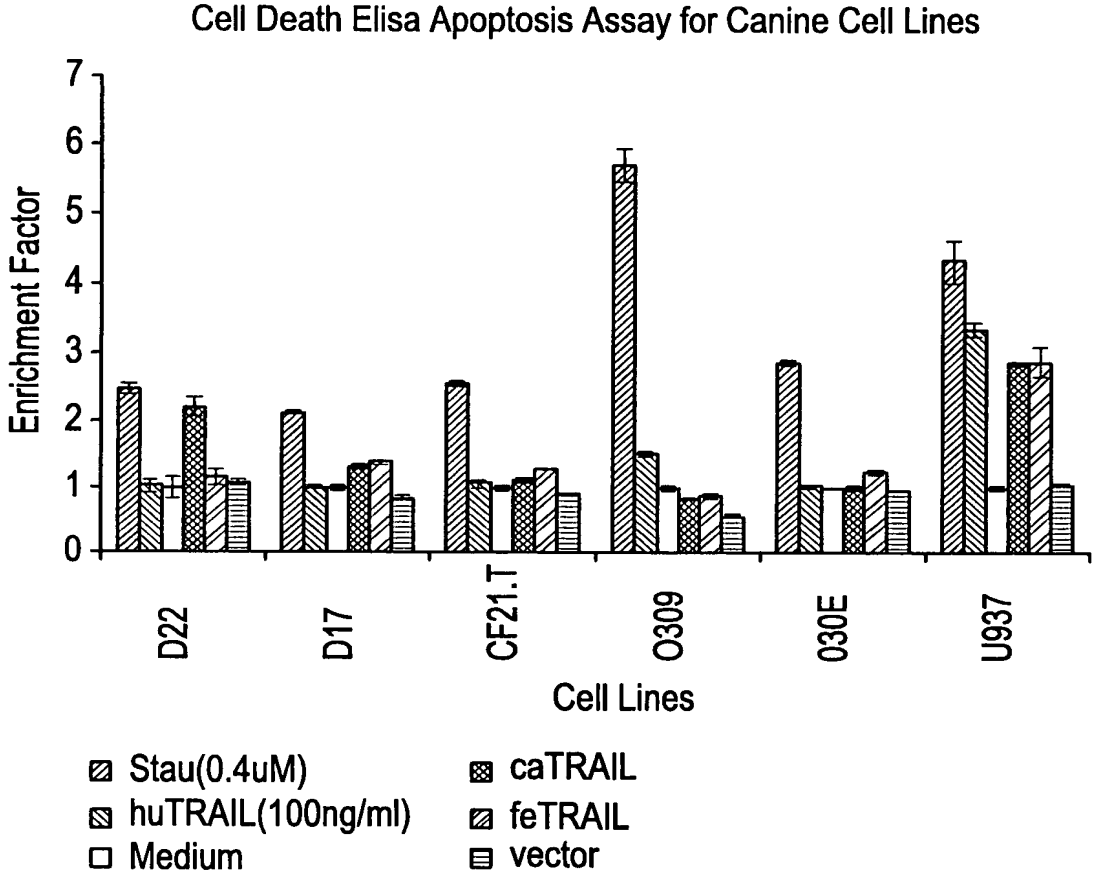

FIG. 21A

MTT Growth Inhibition Assay

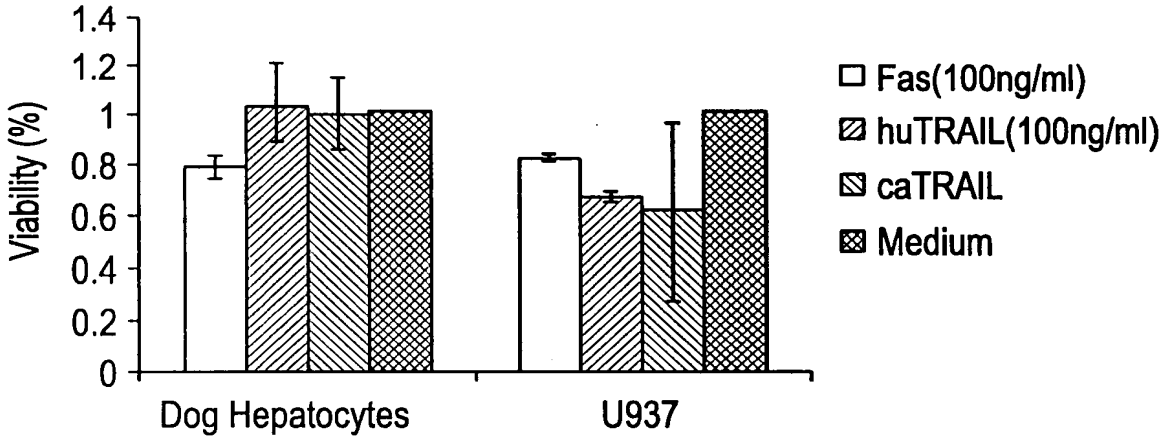

FIG. 21B

Cell Death Elisa Apoptosis Assay